



The perfect lamp for those looking for energy savings, MainsFit (UL Type B) T5 LED lamps provide a solution for LED tube applications with a focus on efficacy and value.

MainsFit (UL Type-B) T5

The MainsFit (UL Type-B) lamps are designed to be the perfect retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp has everything needed built into the lamp with proven energy savings, long life, surge suppression and industry leading safety features. All lamps in the MainsFit family are double-ended to help simplify the installation. In addition, all lamps meet the Philips standards for light quality so that end users will be in a comfortable environment regardless of the MainsFit lamp type.

MainsFit (UL Type-B) T5

Benefits

- Installation simplicity: Can be used with both shunted and non-shunted sockets
- Maximum durability: Available in plastic for the best anti-shatter performance
- Emergency Capable: Compatible with the new PTB15D emergency driver or the Bodine ELI-S series emergency inverters (up to 15w lamps)

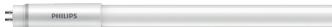
Features

- Variety of lumen outputs
- No visible flicker – All InstantFit lamps are below 1.0 (Refer to NEMA77, IEC 61547 & IEC 63158 standard for SVM (Stroboscopic Visibility Measure))
- Double-ended design
- Proven over 40% energy savings compared to traditional fluorescent lighting

Application

- Warehouses
- Manufacturing
- Universities

Versions



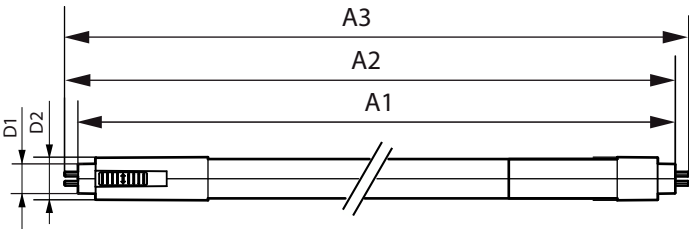
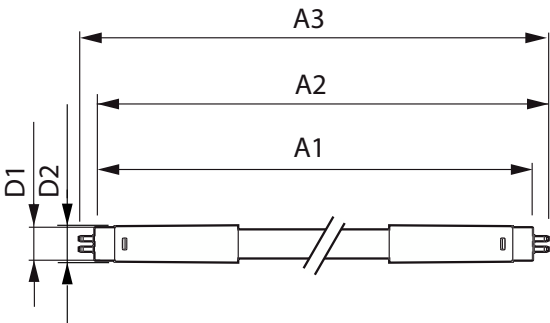
LEDtube COR NAM1 8W G5

LEDtube COR NAM1 10W G5

LEDtube G5 25W

MainsFit (UL Type-B) T5

Dimensional drawing



Product	D1	D2	A1	A2	A3
10T5HE/COR/34-835/MF13/G 25/1	15.3 mm	18.2 mm	849 mm	854.9 mm	863.2 mm
10T5HE/COR/34-840/MF14/G 25/1	15.3 mm	18.2 mm	849 mm	854.9 mm	863.2 mm
14T5HE/COR/46-835/MF20/G 25/1	15.3 mm	18.2 mm	1,149 mm	1,154.9 mm	1,163.2 mm
14T5HE/COR/46-840/MF21/G 25/1	15.3 mm	18.2 mm	1,149 mm	1,154.9 mm	1,163.2 mm
14T5HE/COR/46-850/MF21/G 25/1	15.3 mm	18.2 mm	1,149 mm	1,154.9 mm	1,163.2 mm
25T5HO/COR/46-835/MF33/G 25/1	15.3 mm	18.2 mm	1,149 mm	1,154.9 mm	1,163.2 mm
25T5HO/COR/46-840/MF35/G 25/1	15.3 mm	18.2 mm	1,149 mm	1,154.9 mm	1,163.2 mm
25T5HO/COR/46-850/MF35/G 25/1	15.3 mm	18.2 mm	1,149 mm	1,154.9 mm	1,163.2 mm
8T5HE/COR/22-835/MF10/G 25/1	15.3 mm	18.2 mm	549 mm	554.9 mm	563.2 mm
8T5HE/COR/22-840/MF10/G 25/1	15.3 mm	18.2 mm	549 mm	554.9 mm	563.2 mm

Product	D1	D2	A1	A2	A3
12T5HE/COR/34-5CCT/MF16/G 25/1	15.7 mm	23 mm	847.8 mm	854.9 mm	863.2 mm
13T5HE/COR/46-5CCT/MF18/G 25/1	15.7 mm	23 mm	1,147.8 mm	1,154.9 mm	1,163.2 mm
4.5T5HE/COR/12-5CCT/MF5/G 25/1	15.7 mm	23 mm	287.1 mm	294.2 mm	302.5 mm
9T5HE/COR/22-5CCT/MF12/G 25/1	15.7 mm	23 mm	547.8 mm	554.9 mm	563.2 mm

General Information	
Cap-Base	G5
Nominal lifetime	50,000 hour(s)
Light Technical	
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T5

General Information

Order Code	Full Product Name	Switching Cycle
929003122704	8T5HE/COR/22-835/MF10/G 25/1	50,000
929003122804	8T5HE/COR/22-840/MF10/G 25/1	50,000
929004235004	4.5T5HE/COR/12-5CCT/MF5/G 25/1	200,000
929004235104	9T5HE/COR/22-5CCT/MF12/G 25/1	200,000
929004235204	12T5HE/COR/34-5CCT/MF16/G 25/1	200,000
929004235304	13T5HE/COR/46-5CCT/MF18/G 25/1	200,000
929003123004	10T5HE/COR/34-835/MF13/G 25/1	50,000
929003123104	10T5HE/COR/34-840/MF14/G 25/1	50,000
929003122404	25T5HO/COR/46-835/MF33/G 25/1	50,000
929003122504	25T5HO/COR/46-840/MF35/G 25/1	50,000
929003122604	25T5HO/COR/46-850/MF35/G 25/1	50,000
929003123304	14T5HE/COR/46-835/MF20/G 25/1	50,000
929003123404	14T5HE/COR/46-840/MF21/G 25/1	50,000
929003123504	14T5HE/COR/46-850/MF21/G 25/1	50,000

Light Technical

MainsFit (UL Type-B) T5

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
929003122704	8T5HE/COR/22-835/MF10/G 25/1	200 degree(s)	3500 K	835	1,000 lm
929003122804	8T5HE/COR/22-840/MF10/G 25/1	200 degree(s)	4000 K	840	1,050 lm
929004235004	4.5T5HE/COR/12-5CCT/MF5/G 25/1	160 degree(s)	3000 K	3000K/ 3500K/ 4000K/ 5000K/ 6500K	500 lm
929004235104	9T5HE/COR/22-5CCT/MF12/G 25/1	160 degree(s)	3000 K	3000K/ 3500K/ 4000K/ 5000K/ 6500K	1,200 lm
929004235204	12T5HE/COR/34-5CCT/MF16/G 25/1	160 degree(s)	3000 K	3000K/ 3500K/ 4000K/ 5000K/ 6500K	1,600 lm
929004235304	13T5HE/COR/46-5CCT/MF18/G 25/1	160 degree(s)	3000 K	3000K/ 3500K/ 4000K/	1,800 lm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
				5000K/ 6500K	
929003123004	10T5HE/COR/34-835/MF13/G 25/1	200 degree(s)	3500 K	835	1,300 lm
929003123104	10T5HE/COR/34-840/MF14/G 25/1	200 degree(s)	4000 K	840	1,400 lm
929003122404	25T5HO/COR/46-835/MF33/G 25/1	200 degree(s)	3500 K	835	3,300 lm
929003122504	25T5HO/COR/46-840/MF35/G 25/1	200 degree(s)	4000 K	840	3,500 lm
929003122604	25T5HO/COR/46-850/MF35/G 25/1	200 degree(s)	5000 K	850	3,500 lm
929003123304	14T5HE/COR/46-835/MF20/G 25/1	200 degree(s)	3500 K	835	2,000 lm
929003123404	14T5HE/COR/46-840/MF21/G 25/1	200 degree(s)	4000 K	840	2,100 lm
929003123504	14T5HE/COR/46-850/MF21/G 25/1	200 degree(s)	5000 K	850	2,100 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power	
			Consumption	Wattage Equivalent
929003122704	8T5HE/COR/22-835/MF10/G 25/1	50 to 60 Hz	8 W	14 W
929003122804	8T5HE/COR/22-840/MF10/G 25/1	50 to 60 Hz	8 W	14 W
929004235004	4.5T5HE/COR/12-5CCT/MF5/G 25/1	-	4.5 W	8 W
929004235104	9T5HE/COR/22-5CCT/MF12/G 25/1	-	9 W	14 W
929004235204	12T5HE/COR/34-5CCT/MF16/G 25/1	-	12 W	21 W
929004235304	13T5HE/COR/46-5CCT/MF18/G 25/1	-	13 W	28 W

Order Code	Full Product Name	Line Frequency	Power	
			Consumption	Wattage Equivalent
929003123004	10T5HE/COR/34-835/MF13/G 25/1	50 to 60 Hz	10 W	21 W
929003123104	10T5HE/COR/34-840/MF14/G 25/1	50 to 60 Hz	10 W	21 W
929003122404	25T5HO/COR/46-835/MF33/G 25/1	50 to 60 Hz	25 W	54 W
929003122504	25T5HO/COR/46-840/MF35/G 25/1	50 to 60 Hz	25 W	54 W
929003122604	25T5HO/COR/46-850/MF35/G 25/1	50 to 60 Hz	25 W	54 W
929003123304	14T5HE/COR/46-835/MF20/G 25/1	50 to 60 Hz	14 W	28 W

MainsFit (UL Type-B) T5

Order Code	Full Product Name	Line Frequency	Power	Wattage
			Consumption	Equivalent
929003123404	14T5HE/COR/ 46-840/MF21/G 25/1	50 to 60 Hz	14 W	28 W

Order Code	Full Product Name	Line Frequency	Power	Wattage
			Consumption	Equivalent
929003123504	14T5HE/COR/ 46-850/MF21/G 25/1	50 to 60 Hz	14 W	28 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929003122704	8T5HE/COR/22-835/MF10/G 25/1	70 °C
929003122804	8T5HE/COR/22-840/MF10/G 25/1	70 °C
929004235004	4.5T5HE/COR/12-5CCT/MF5/G 25/1	65 °C
929004235104	9T5HE/COR/22-5CCT/MF12/G 25/1	70 °C
929004235204	12T5HE/COR/34-5CCT/MF16/G 25/1	70 °C
929004235304	13T5HE/COR/46-5CCT/MF18/G 25/1	70 °C
929003123004	10T5HE/COR/34-835/MF13/G 25/1	70 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003123104	10T5HE/COR/34-840/MF14/G 25/1	70 °C
929003122404	25T5HO/COR/46-835/MF33/G 25/1	75 °C
929003122504	25T5HO/COR/46-840/MF35/G 25/1	75 °C
929003122604	25T5HO/COR/46-850/MF35/G 25/1	75 °C
929003123304	14T5HE/COR/46-835/MF20/G 25/1	70 °C
929003123404	14T5HE/COR/46-840/MF21/G 25/1	70 °C
929003123504	14T5HE/COR/46-850/MF21/G 25/1	70 °C

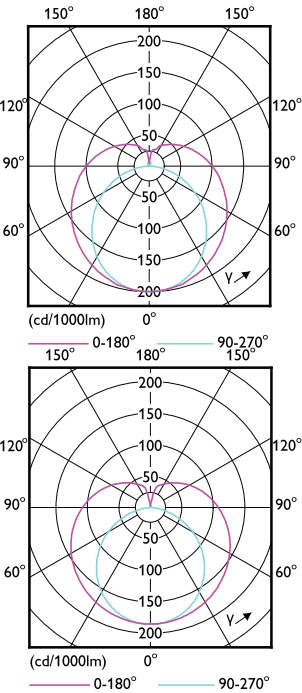
Controls and Dimming

Order Code	Full Product Name	Dimmable
929003122704	8T5HE/COR/22-835/MF10/G 25/1	Limited
929003122804	8T5HE/COR/22-840/MF10/G 25/1	Limited
929004235004	4.5T5HE/COR/12-5CCT/MF5/G 25/1	No
929004235104	9T5HE/COR/22-5CCT/MF12/G 25/1	No
929004235204	12T5HE/COR/34-5CCT/MF16/G 25/1	No
929004235304	13T5HE/COR/46-5CCT/MF18/G 25/1	Only with specific dimmers
929003123004	10T5HE/COR/34-835/MF13/G 25/1	Limited

Order Code	Full Product Name	Dimmable
929003123104	10T5HE/COR/34-840/MF14/G 25/1	Limited
929003122404	25T5HO/COR/46-835/MF33/G 25/1	Limited
929003122504	25T5HO/COR/46-840/MF35/G 25/1	Limited
929003122604	25T5HO/COR/46-850/MF35/G 25/1	Limited
929003123304	14T5HE/COR/46-835/MF20/G 25/1	Limited
929003123404	14T5HE/COR/46-840/MF21/G 25/1	Limited
929003123504	14T5HE/COR/46-850/MF21/G 25/1	Limited

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929003122704	8T5HE/COR/22-835/MF10/G 25/1	-20 °C to 45 °C
929003122804	8T5HE/COR/22-840/MF10/G 25/1	-20 °C to 45 °C
929004235004	4.5T5HE/COR/12-5CCT/MF5/G 25/1	-20 to +45 °C
929004235104	9T5HE/COR/22-5CCT/MF12/G 25/1	-20 to +45 °C
929004235204	12T5HE/COR/34-5CCT/MF16/G 25/1	-20 to +45 °C
929004235304	13T5HE/COR/46-5CCT/MF18/G 25/1	-20 to +45 °C
929003123004	10T5HE/COR/34-835/MF13/G 25/1	-20 °C to 45 °C
929003123104	10T5HE/COR/34-840/MF14/G 25/1	-20 °C to 45 °C
929003122404	25T5HO/COR/46-835/MF33/G 25/1	-20 °C to 45 °C
929003122504	25T5HO/COR/46-840/MF35/G 25/1	-20 °C to 45 °C
929003122604	25T5HO/COR/46-850/MF35/G 25/1	-20 °C to 45 °C
929003123304	14T5HE/COR/46-835/MF20/G 25/1	-20 °C to 45 °C
929003123404	14T5HE/COR/46-840/MF21/G 25/1	-20 °C to 45 °C
929003123504	14T5HE/COR/46-850/MF21/G 25/1	-20 °C to 45 °C



MainsFit (UL Type-B) T5

